

Sub. Rpt. of Uband.

FILE NOTATIONS

Entered in NID File _____

Checked by Chief _____

Entered On S R Sheet _____

Copy NID to Field Office _____

Location Map Pinned _____

Approval Letter _____

Card Indexed _____

Disapproval Letter _____

IWR for State or Fee Land _____

COMPLETION DATA:

Date Well Completed 12-3-56

Location Inspected _____

OW _____ WW _____ TA _____

Bond released _____

GW ☒ OS _____ PA 8-869

State of Fee Land _____

LOGS FILED

Driller's Log _____

Electric Logs (No.) 4

E ☒ I _____ E-I _____ GR _____ GR-N _____ Micro ☒

Lat. _____ Mi-L _____ Sonic _____ Others Radioactivity Log

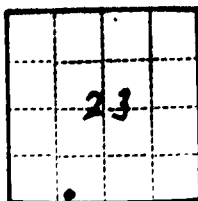
" " "

7-15-56

11-6-56

LWP

4-23-90

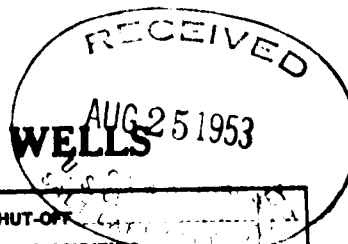


(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 01286
By Harry D. Rogers

ORIGINAL FORWARDED TO CASPER



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 21, 1953

Well No. 3 is located 240 ft. from S line and 1421 ft. from W line of sec. 23

SE (1/4 Sec. and Sec. No.) 23 (Twp.) 6E (Range) Salt Lake Base (Meridian)
Wasatch (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 9234 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

To drill this Well with Rotary Tools to the Dakota Sand or a depth of 7800'.
Set approximately 300' of 13 3/8" OD, 312# Well, 44.1#, Armo Slip Joint
Casing. Cement from shoe to Surface. Set approximately 6850' of 7" Casing
to the top of Ferron Sand.

5850' - 7" OD, 3rd. thd., 23.00#, Grade J-55
Cond. A, W/LT&C
1000' - 7" OD, 3rd. thd., 26.00#, Grade J-55
Cond. A, W/LT&C

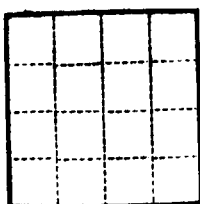
To be Cemented W/ 250 Sinks Regular Cement.

(APPROVAL IS CONDITIONAL UPON COMPLIANCE WITH THE TERMS ATTACHED HERETO)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

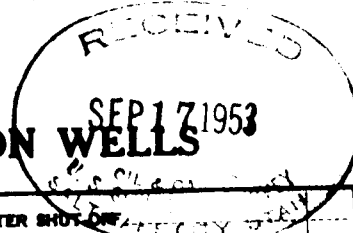
Company Three States Natural Gas Company
P. O. Box 160
Address Sanfield, Utah

By Harold Hawkins
Title District Superintendent



(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 01286
Xmit Mary D. Kearns



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent report of Lining Surface Casing

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 11, 1953

Well No. 3 is located 240 ft. from SW line and 1421 ft. from W line of sec. 23

SW Sec. 23 16S 6E Salt Lake Base
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Un-Named Emery Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 600'

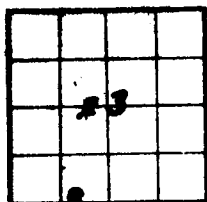
Ran 239.95' 13 3/8" OD, 312# Wall, 44.1 #, Armco Slip Joint Casing.
26.36' 13 3/8" OD, .350" Wall, H-40, 8 rd. Thd., API Smalls., Short T&C.
266.31' Total Footage Ran.
Casing Landed at 280.50', Cemented with 317 sacks of Reg Cement and
50 sacks of Bridget. Cement circulated.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 160
Address Scofield, Utah

By Harold Hawkins
Title District Superintendent

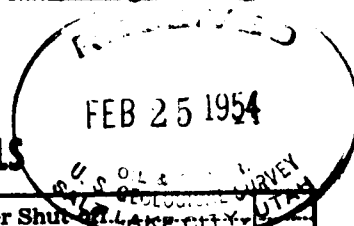
FORM D-201-A
(FEB. 1954)



(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 2242
UNIT Flat Canyon

ORIGINAL FORWARDED TO CASPER



SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....
Notice of Intention to Change Plans.....	Subsequent Report of Shooting or Acidizing.....
Notice of Intention to Test Water Shut-off.....	Subsequent Report of Altering Casing.....
Notice of Intention to Re-Drill or Repair well.....	Subsequent Report of Re-Drilling or Repair.....
Notice of Intention to Shoot or Acidize.....	Subsequent Report of Abandonment.....
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....
Notice of Intention to Abandon Well.....	Subsequent Report of Running Casing.....

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 24, 1954

Well No. 1 is located 240 ft. from S line and 2421 ft. from W line of sec. 23
SW Sec. 23 36-0 6-0 Salt Lake Range
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 6634 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

ED: 6634'

Run 207 joints - 6634' of 7" OD 8-24 Tht 23.00/ Grade J-55 and
H-50, Range 2 and 3 Casing. Casing set at 6634'

5672.52' - 200 joints 7" OD 8-24 Tht 23.00/ Grade J-55 Range 2
Casing.

543.00' - 24 joints 7" OD 8-24 Tht 23.00/ Grade H-50 Range 3
Casing.

Casing Cemented with 300 Sacks Cement.
24.00' from Casing Head to ED

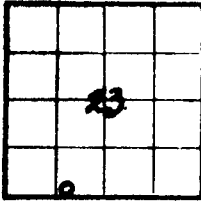
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P.O. Box 730
Address Price, Utah

Approved 2-25-54

By Harold Hawkins
Title District Superintendent

District Engineer

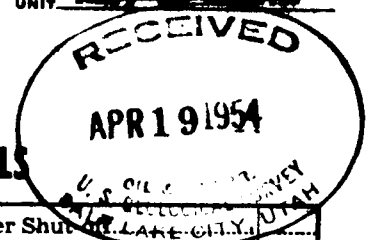


(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

LAND OFFICE Utah
LEASE NO. 01286
UNIT Flat Canyon
May 2 1954



SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Shooting or Acidizing.....	
Notice of Intention to Test Water Shut-off.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Re-Drill or Repair well.....		Subsequent Report of Re-Drilling or Repair.....	
Notice of Intention to Shut-off Acidize.....	X	Subsequent Report of Abandonment.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 9, 1954

Well No. 3 is located 240 ft. from S line and 1421 ft. from W line of sec. 23
SW Sec. 23 16-S 6-E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 6666' 7" Casing set @ 6634'. Lane Wells Plug @ 6624'.
 Top Ferron 6611' Nov. log
 Perforate from 6611 - 6620'.

Acidize w/ 2000 gal. M. C. A.

Drill plug and acidize w/ 5000 gal.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
 Address Price, Utah

Approved 4-12-54
 (Ord. Eng.) H. G. Seaville
 District Engineer

By Harold Hawkins
 Title District Superintendent

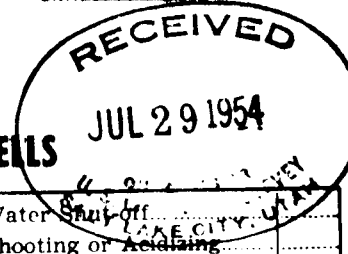
		23	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 01286
UNIT Flat Canyon

~~COPY RETURN TO DISTRICT OFFICE~~
ORIGINAL FORWARDED TO CASPER
SUNDRY NOTICES AND REPORTS ON WELLS



Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Shooting or Acidizing.....	
Notice of Intention to Test Water Shut-off.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Re-Drill or Repair Well.....		Subsequent Report of Re-Drilling or Repair.....	
Notice of Intention to Shoot or Acidize.....		Subsequent Report of Abandonment.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....		Subsequent report of Acidizing.....	XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 20, 1954

Well No. 3 is located 240 ft. from XXX line and 1421 ft. from XXX line of sec. 23

SW Sec. 23 16-S 6-E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

TD: 6666'

Acidised W/5000 gals of M.C.A., went in under vacuum,
swabbing well to bottom, $1\frac{1}{2}$ barrels per swab.
Swabbing well.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company

Address P.O. Box 730

Price, Utah

ORIGINAL SIGNATURE
HAROLD HAWKINS

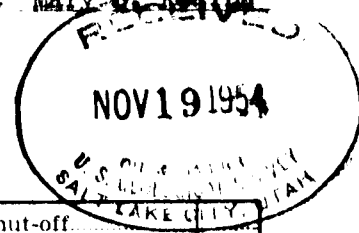
By _____

Title District Superintendent

Approved 8-4-54
H. C. Saville
District Engineer

(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 01286
UNIT Mary D. Keating



SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Shooting or Acidizing.....	
Notice of Intention to Test Water Shut-off.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Re-Drill or Repair Well.....		Subsequent Report of Re-Drilling or Repair.....	
Notice of Intention to Shoot or Acidize.....		Subsequent Report of Abandonment.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....		Weekly Report ending 10-31-54.....	XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 1, 1954

Well No. 3 is located 240 ft. from XX line and 1421 ft. from W line of sec. 23

SW Sec. 23 16S 6E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

TD: 7039'

10-25-54 TD: 7039' Drilling Cement at 6595'
10-27-54 Cleaned out to 6597', waiting on Drilling Line.
10-28-54 Drilling Cement at 6605'.
10-29-54 Cleaned out to 6618', Preparing to wedge 7" Casing out at bad place.
10-31-54 Swedging 6 1/4" Swedge, tried 5 1/2" SD Sand Pump but, it will not go.
Expect to get smaller Sand Pump.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

By C. S. Gibson
Title District Superintendent

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 01206
UNIT Mary J. Swartz

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans.....		Subsequent Report of Shooting or Acidizing	
Notice of Intention to Test Water Shut-off.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Re-Drill or Repair Well.....		Subsequent Report of Re-Drilling or Repair.....	
Notice of Intention to Shoot or Acidize.....		Subsequent Report of Abandonment.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			

Weekly report ending Nov. 7, 1961 12X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 15, 1961

Well No. 2 is located 240 ft. from N line and 1421 ft. from W line of sec. 23

23 Sec. 23 14S 6 alt. and also
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)

Flat Canyon Blair Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 7034 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

ID: 7039

11-8-61 Swedging with 6 1/4" Swedge at 6370'.
11-8-61 Running 7" Sump, drying up hole to test squeeze job.
11-9-61 Bailing hole at 6680'.
11-9-61 Drilling and sand pump gravel, driving bridge to 6680'.
11-9-61 Cleaning out at 6725'.
11-9-61 Cleaning out at 6700'.
11-9-61 Cleaning out at 6950'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

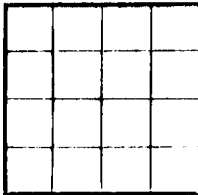
Company Three States Natural Gas Company

P. O. Box 730

Address Palmer, Utah

By C. S. Gibson

Title District Superintendent



(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 08206
UNIT Mary A. Kearns

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off
Notice of Intention to Change Plans.....	Subsequent Report of Shooting or Acidizing
Notice of Intention to Test Water Shut-off.....	Subsequent Report of Altering Casing.....
Notice of Intention to Re-Drill or Repair Well.....	Subsequent Report of Re-Drilling or Repair
Notice of Intention to Shoot or Acidize.....	Subsequent Report of Abandonment
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History
Notice of Intention to Abandon Well.....	

Weekly report ending Nov. 14, 1951

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 17, 1951

Well No. 2 is located 240 ft. from SW line and 1427 ft. from W line of sec. 23

SW Sec. 23 16 6 Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Wasatch Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 5034 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

ID: 7039

11-8-51 Clearing out at 6965'
11-9-51 Clearing out at 7039', preparing to sub to 6300'.
11-10-51 Subbed to 6300', bailed to 6600', water level at 5000', preparing to sub well.
11-11-51 Subbed to 6300', bailing now at 6400'.
11-12-51 Bailing at 6300'.
11-13-51 Clearing out at 6700'

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

By C. S. Gibson
Title District Superintendent

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(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE **Utah**
LEASE NO. **00286**
UNIT **Mary D. Koonen**

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....
Notice of Intention to Change Plans.....	Subsequent Report of Shooting or Acidizing.....
Notice of Intention to Test Water Shut-off.....	Subsequent Report of Altering Casing.....
Notice of Intention to Re-Drill or Repair Well.....	Subsequent Report of Re-Drilling or Repair.....
Notice of Intention to Shoot or Acidize.....	Subsequent Report of Abandonment.....
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....
Notice of Intention to Abandon Well.....	

Weekly Report Ending Nov. 21, 1954 **XX**

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 21, 1954 19**54**

Well No. **2** is located **210** ft. from **S** line and **1421** ft. from **W** line of sec. **23**
SW **Sec. 23** **14S** **6E** **Salt Lake Base**
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flake Canyon **Emery** **Utah**
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

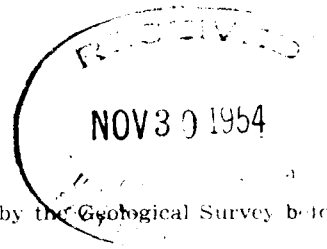
The elevation of the derrick floor above sea level is **5834** ft. **Ground**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

NOV 21 1954

Drilling: **Cleaning out at 6705'**
Drilling: **Cleaning out at 6705'**
Drilling: **Waiting on water to plug back with cement to 6612' from 6710'.**
Drilling: **Standard top of cement plug at 6625', cement still soft. H. C. C.**



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Three States Natural Gas Company**
P. O. Box 730
Address **Paria, Utah**

By **C. S. Gibson**
Title **District Superintendent**

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 01286
~~XXXX~~ Mary D. Kearns

DEC 6 - 1954

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....
Notice of Intention to Change Plans.....	Subsequent Report of Shooting or Acidizing.....
Notice of Intention to Test Water Shut-off.....	Subsequent Report of Altering Casing.....
Notice of Intention to Re-Drill or Repair Well.....	Subsequent Report of Re-Drilling or Repair.....
Notice of Intention to Shoot or Acidize.....	Subsequent Report of Abandonment.....
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....
Notice of Intention to Abandon Well.....	Weekly Report ending November 28, XXX

INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA

November 30, 19 54

Well No. 3 is located 240 ft. from XXX line and 1421 ft. from W line of sec 23

SW Sec. 23 16S 6E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 7039'

- 11-21-54 Cleaning out at 6720', Cement still not set.
- 11-22-54 Cleaning out at 6722'.
- 11-23-54 Cleaning out at 6815', Fluid Level at 4000'.
- 11-25-54 Cleaning out at 6795'.
- 11-26-54 Cleaning out at 6797'.
- 11-27-54 Cleaning out at 6835'.
- 11-28-54 Cleaning out at 6840'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
Post Office Box 730
Address Price, Utah

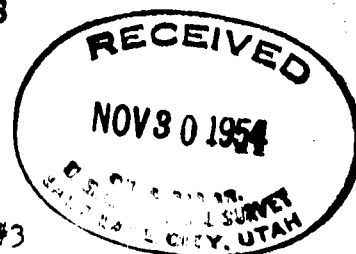
By C. S. Gibson
Title District Superintendent

CHEMICAL & GEOLOGICAL LABORATORIES

521 South Center St. P. O. Box 279

Casper, Wyoming

WATER ANALYSIS REPORT



Field Flat Canyon, Utah

Well No. Mary D. Kearns #3

Operator Three States Natural Gas Company

Location SE SW SW 23-16S-6E

Sampled by

Date

Formation

Depths

How sampled

Other pertinent data Cloudy with gray sediment.

U. 01286

Analyzed by GW Date November 21, 1954 Lab. No. 8908

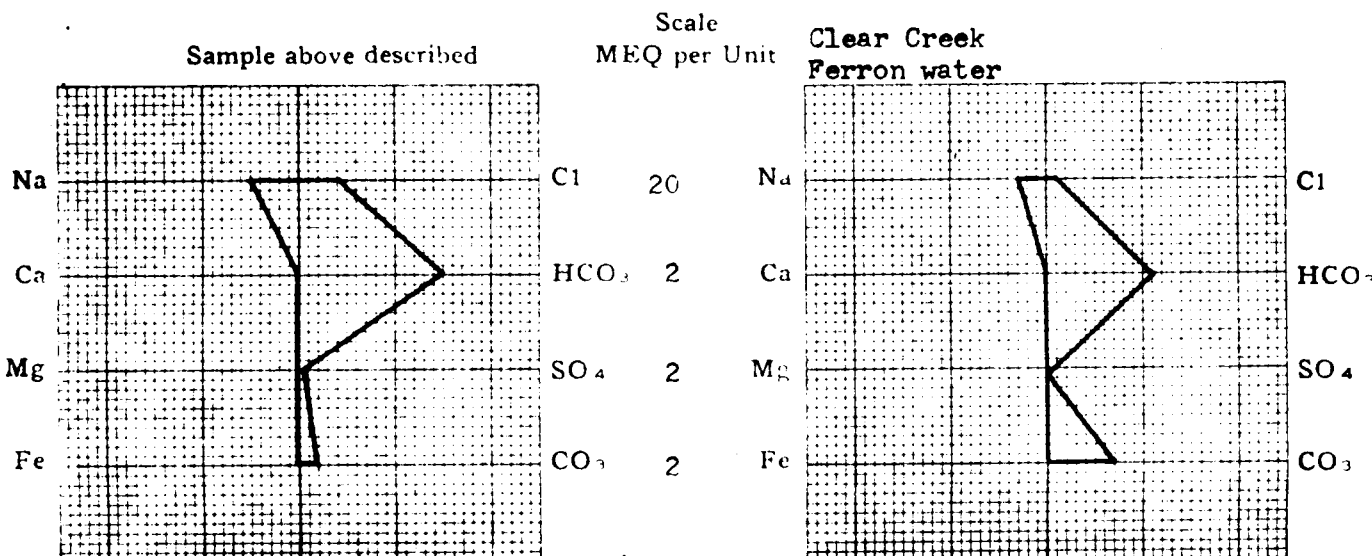
CONSTITUENTS	PPM	MEQ.	MEQ. %	TOTAL SOLIDS IN PARTS PER MILLION:	
Sodium - - - -	2,517	109.47	49.61	By evaporation	6,842
Calcium - - - -	14	0.70	0.32	After ignition	6,322
Magnesium - - -	2	0.16	0.07	Calculated	6,270
Sulfate - - - -	44	0.92	0.42	PROPERTIES OF REACTION IN PERCENT:	
Chloride - - - -	2,660	75.01	33.99	Primary salinity	68.82
Carbonate - - -	144	4.80	2.18	Secondary salinity	0.00
Bicarbonate - -	1,805	29.60	13.41	Primary alkalinity	30.40
Hydroxide - - -				Secondary alkalinity	0.78
				Chloride salinity	98.78
				Sulfate salinity	1.22

Observed pH 9.8 Resistivity @ 68 F. ohms meter 1.10

Remarks Correlates with Ferron water from Clear Creek.

Note: PPM Milligrams per liter (1 PPM is equivalent to 0.0001% by weight). MEQ Milliequivalents per liter. MEQ% Milliequivalents per liter in percent.

WATER ANALYSIS PATTERN



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah

LEASE NO. 01286

UNIT Mary D. Kearns

DEC 22 1954

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Shooting or Acidizing.....	
Notice of Intention to Test Water Shut-off.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Re-Drill or Repair Well.....		Subsequent Report of Re-Drilling or Repair.....	
Notice of Intention to Shoot or Acidize.....		Subsequent Report of Abandonment.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			
		Weekly report ending December 5,	XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 10, 1954

Well No. 2 is located 240 ft. from XXX line and 142 ft. from W line of sec. 23

SW Sec. 23 16S 6E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

TD: 7039'

11-29-54 TD: 7039', Cleaning out at 6840'.
12-1-54 Cleaning out at 6872'.
12-2-54 Cleaning out at 6872', preparing to plug back, hole caving.
12-3-54 Drilling cement at 6800'.
12-5-54 Cleaning out cement at 6810'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

By C. S. Gibson
Title District Superintendent

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

MINERAL BUREAU 44-4350-2
APPROVAL EXPIRES 12-31-64
Utah
LAND OFFICE
LEASE NO. 01286
UNIT Mary B. Kearns
DEC 22 1964

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Shooting or Acidizing.....	
Notice of Intention to Test Water Shut-off.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Re-Drill or Repair Well.....		Subsequent Report of Re-Drilling or Repair.....	
Notice of Intention to Shoot or Acidize.....		Subsequent Report of Abandonment.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....		Weekly report ending December 19, 1954	XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 3 is located 240 ft. from ^{XX}S line and 1421 ft. from ^{XX}W line of sec. 23
 Sec. 23 16S 6E Salt Lake Base
 (1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
 Flat Canyon Emery Utah
 (FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casing, indicate mudding jobs, cementing points, and all other important proposed work)

TD: 7039'

- 12-13-54 Cleaning out at 6915'
- 12-14-54 Drilling bridge at 6950', hole caving.
- 12-15-54 Drilling bridge at 6970', swabbed water out till hole started making small amount of gas.
- 12-16-54 Drilling on bridge at 6967'.
- 12-18-54 Drilling on bridge at 6995'.
- 12-19-54 Drilling on cavings at 7005'.
- 12-20-54 Drilling at 7020'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
 P. O. Box 730
 Address Price, Utah

By *C. S. Libbey*
 Title District Superintendent

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 01286
UNIT Mary D. Kearns

JAN 1 - 1955

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....
Notice of Intention to Change Plans.....	Subsequent Report of Shooting or Acidizing.....
Notice of Intention to Test Water Shut-off.....	Subsequent Report of Altering Casing.....
Notice of Intention to Re-Drill or Repair Well.....	Subsequent Report of Re-Drilling or Repair.....
Notice of Intention to Shoot or Acidize.....	Subsequent Report of Abandonment.....
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....
Notice of Intention to Abandon Well.....	Weekly report ending Dec. 26, 1954 XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA.)

January 1, 1955

Well No. 3 is located 240 ft. from ~~NE~~ S line and 1421 ft. from ~~NE~~ W line of sec. 23

SW Sec. 23 16S 6E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings. Indicate mudding jobs, cementing points, and all other important proposed work)

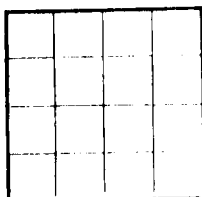
TD: 7039'

12-21-54 TD: 7039', Hole Caving, Cleaning out at 7000'.
12-22-54 Cleaned out to 7015', Line broke off fishing for tools. Top of fish at 6970'. five foot of shale cavings on top of fish, cleaning out shale cavings at 6965'.
12-23-54 Top of fish at 6970', hole caving, 30' of Shale cavings on top of fish.
12-25-54 Cleaning out Shale cavings at 6964'.
12-26-54 Cleaning out Shale cavings at 6907', hole caving.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

By *C. S. Gibson*
Title District Superintendent



(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

BUDGET NUMBER 44 K50R-4
APPROVAL EXPIRES 12 31 55
LAND OFFICE **Utah**
LEASE NO **01286**
UNIT **Mary D. Kearns**

JAN 4 - 1955

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill	Subsequent Report of Water Shut-off
Notice of Intention to Change Plans	Subsequent Report of Shooting or Acidizing
Notice of Intention to Test Water Shut-off	Subsequent Report of Altering Casing
Notice of Intention to Re-Drill or Repair Well	Subsequent Report of Re-Drilling or Repair
Notice of Intention to Shoot or Acidize	Subsequent Report of Abandonment
Notice of Intention to Pull or Alter Casing	Supplementary Well History
Notice of Intention to Abandon Well	

Weekly report ending January 2, 1955 ☒

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 3, 1955

Well No. 3 is located 240 ft. from XXX line and 1421 ft. from W line of sec. 23

SW Sec. 23 16S 6E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

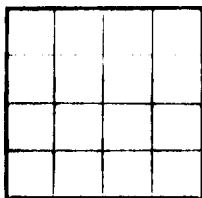
ID: **7039'**

- 12-27-54 Cleaning out cavings at 6950'.
- 12-29-54 Cleaning out Shale cavings and fishing.
- 12-31-54 Fishing with 3 prong grabs and center spear.
- 1-1-55 Fishing
- 1-2-55 Jarring on fish, moved fish up hole 9'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

By C. S. Gibson
Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah

LEASE NO. 01280

~~xxx~~ Mary D. Kearns

JAN 20 1955

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....	Subsequent Report of Water Shut-off.....
Notice of Intention to Change Plans.....	Subsequent Report of Shooting or Acidizing.....
Notice of Intention to Test Water Shut-off.....	Subsequent Report of Altering Casing.....
Notice of Intention to Re-Drill or Repair Well.....	Subsequent Report of Re-Drilling or Repair.....
Notice of Intention to Shoot or Acidize.....	Subsequent Report of Abandonment.....
Notice of Intention to Pull or Alter Casing.....	Supplementary Well History.....
Notice of Intention to Abandon Well.....	Weekly report ending January 9, 1955 X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 18, 1955

Well No. 1 is located 240 ft. from NS line and 1421 ft. from EW line of sec. 23

SW Sec. 23 16S 6E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

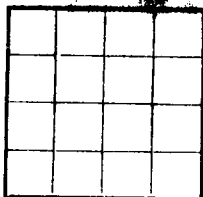
TD: 7039'

- 1-3-55 Jarred fish up hole and lost same. Top of Fish at ~~6900'~~ ^{6915'}
- 1-4-55 Cleaning out at 6900', top of fish at 6915'.
- 1-6-55 Cleaning out at 6750', top of fish at 6915'. Hole Caving.
- 1-8-55 Cleaning out at 6780'.
- 1-9-55 Preparing to swab water down, tools go to 6775', top of fish at 6915'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

By C. S. Gilson
Title District Superintendent



(SUBMIT IN TRIPLICATE)

LAND OFFICE Utah

UNITED STATES

LEASE NO. 01286

DEPARTMENT OF INTERIOR

~~INDEX~~ Mary D. Kearns

GEOLOGICAL SURVEY

JAN 20 1955

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Shooting or Acidizing.....	
Notice of Intention to Test Water Shut-off.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Repair or Repair Well.....		Subsequent Report of Re-Drilling or Repair.....	
Notice of Intention to Shoot or Acidize.....		Subsequent Report of Abandonment.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....		Weekly report ending January 16, 1955	XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 18, 1955

Well No. 3 is located 240 ft. from S line and 1421 ft. from W line of sec. 23SW Sec. 23
(1/4 SEC. AND SEC. NO.)16S 6E
(TWP.) (RANGE)Salt Lake Base
(MERIDIAN)Flat Canyon
(FIELD)Emery
(COUNTY OR SUBDIVISION)Utah
(STATE OR TERRITORY)The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

TD: 7039'

1-10-55 Cleaning out at 6760', top of fish at 6915'.

1-11-55 Going in hole with packer, attempted to set Halliburton retrievable packer at 6308, packer failed to hold, coming out of hole with tubing and packer.

1-13-55 Completed cement plug back job at 2:30 AM, cemented with 150 sacks of Ideal cement by Halliburton with 2% Calcein Chloride. Top of cement at 6643'.

1-14-55 W.O.C.

1-15-55 Drilling Cement at 6675'.

1-16-55 Swabbed well at 6650', now drilling cement at 6685'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company

P. O. Box 730

Address Price, Utah

By

Title District Superintendent

	23		
6			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NO. 01286
UNIT Map 3 - Escrow
Flat Canyon

ORIGINAL FORWARDED TO SUPER
SUNDRY NOTICES AND REPORTS ON WELLS

FEB 14 1955

Notice of Intention to Drill.....		Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Shooting or Acidizing.....	
Notice of Intention to Test Water Shut-off.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Re-Drill or Repair Well.....		Subsequent Report of Re-Drilling or Repair.....	
Notice of Intention to Shoot or Acidize.....		Subsequent Report of Abandonment.....	
Notice of Intention to Pull or Alter Casing.....		Supplementary Well History.....	
Notice of Intention to Abandon Well.....			
Intention to shut-down operations XX			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 3, 1955

Well No. 3 is located 240 ft. from XX line and 1421 ft. from XX line of sec. 23

SE Sec. 23 14S 6E Salt Lake Base
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Flat Canyon Emery Utah
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings, indicate mudding jobs, cementing points, and all other important proposed work)

TS: 7039'

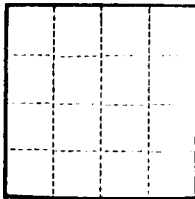
We propose to shut-down drilling operations until the winter weather breaks and drilling can be continued. The Cable Tool Rig will be moved off the well as soon as the weather and snow enables trucks to move same out of the mountains. The location and roads are drifted with snow.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

FEB 14 1955
[Signature]
Engineer

By *[Signature]*
Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. U 01286
Unit Flat Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	
<u>Notice of Intention to Resume Operations</u>	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

W 52

May 10, 1956

Well No. 3 is located 240 ft. from N line and 1421 ft. from W line of sec. 23

SW SE Sec. 23 16-S 6-E Salt Lake Base
(Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

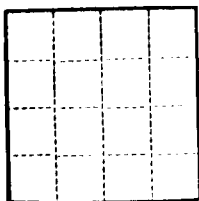
We propose to move in Rotary Drilling Tools, mix mud and lost circulation material for circulation, clean out to top of fish, (This well has a string of cable tools in the hole consisting of 4-3/8" Rope socket, 4-3/8" Spang Jars, 3-1/2" x 26' stem, and 6" bit.), and fish same out. Top of fish @ 6230'. The hole is filled with cavings and cement back up inside of 7"OD casing with the top of cement at 6605'. We propose to drill to the top of the Dakota formation (approximate top @ 7550'), set 5"OD 15# J-55 Extramoline Casing to top of Dakota and drill the Dakota formation with Natural Gas or air. We expect to test both the Ferron Sand formation and the Dakota formation for Commercial Oil and Gas production. (Top of Ferron Sand @ 6611'). As the Cable Tools were used on this well and the results from running Schlumberger Section Gauge apparently the 7"OD casing is parted at 6376'. In completing this well we expect to run a 6" bit through this 7"OD casing and if necessary we will roll and squeeze casing.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

Approved [Signature]
District Engineer

By [Signature]
Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Lead Office Salt Lake
Lease No. U-01286
Unit Flat Canyon
(M.D. Kearns)

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

Subsequent Report of running Casing **IX**

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 15, 1956

Well No. 3 is located 240 ft. from N line and 1421 ft. from W line of sec. 23

SW 1/4 Sec. 23 16S 6E Salt Lake Base
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit Emery Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

Resumed 5-30-56

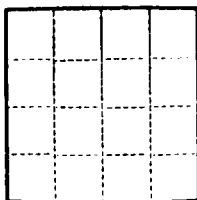
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Cleaned out from 6605' to top of fish @ 6930', fished out string of Cable Tools, and Cleaned hole out to 7039'. Drilled to the top of Dakota formation @ 7540', driller's Total Depth @ 7550', Schlumberger log (ES) ran to 7550'. Ran 42 joints 1269.23', [including float, shoe and casing hanger equipment], 5"OD 15# R-2 Spang Extremeline Casing. Casing hung inside of 7"OD casing at 6278', top of casing hanger @ 6274'. Cemented with 150 sacks of cement with 3% Calcium Chloride, and 35 sacks of Bridget, Plugged down @ 4:30 P.M., 6-11-56. Cement job done by Halliburton Oil Well Cementing Company. After 24 hours, tested casing and found leak in 7"OD 23# J-55 casing above 5"OD Extremeline Casing Liner. Ran Halliburton Packser and tested 7"OD 23# J-55 casing for leak, found leak @ approximately 1832' to 1842', Ran HOBCO 7"OD casing cutter and cut 7"OD casing at 1842'. While cleaning out hole after pulling all 7"OD 23# J-55 casing which was cut to 1842', drill pipe stuck @ 982', spotted Diesel Oil and ran Free-point Indicator and string-shot, rotary jars. Fished out at 11:10 A.M., 6-18-56. Made another 22' cut off of 7"OD casing to 1864', cleaned out and ran new 7"OD 23# J-55, R-2 & R-3, Casing w/LT&C with HOBCO casing boys, and drilled in r/ Air.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

Approved July 2 - 1956
[Signature]
District Engineer

By *[Signature]*
Title District Superintendent
ORIGINAL FORWARDED TO CHIEF



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake**
Lease No. **U-01286**
Unit **Flat Canyon Unit**
(**M. D. Kearns**)

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO REPAIR ACIDIZE Well <input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 15, 1956

Well No. **3** is located **240** ft. from **S** line and **1421** ft. from **W** line of sec. **23**
SW/4 **Sec. 23** **16S** **6E** **Salt Lake Base**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit **Emery** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **9834** ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

LD: 7625

We propose to acidize this subject well with Dowell Mud Acid approximately 3000 gallons with a packer set at approximately 7530'. Top of Dakota formation at 7540', 5" OD 15# casing liner set at approximately 7548'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Three States Natural Gas Company**
P. O. Box 730
Address **Price, Utah**

By

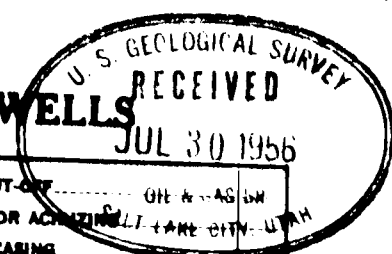
Title **District Superintendent**

Approved

JUL 31 1956

[Signature]
District Engineer

SUNDRY NOTICES AND REPORTS ON WELLS



NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO REPAIR ACIDIZE Well	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

Subsequent report of acidizing well w/ Mud Acid. ☒ (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 17, 1956

Well No. 3 is located 240 ft. from ^{6N}_S line and 1421 ft. from ^{6E}_W line of sec. 23
 SW 1/4 Sec. 23 (1/4 Sec. and Sec. No.) 168 (Twp) 6E (Range) Salt Lake Base (Meridian)
 Flat Canyon Unit (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

TD: 7625'

Completed running Welox Jet Radioactivity Log from 50' to 7587', McCullough perforated open formation from 7540' to 7570' with four (4) jet shots per foot. Set Halliburton 5" H.M. packer @ 7531', used Dowell Mud Acid - 3000 gallons, starting time 9:00 A.M., (7-16-56), treating pressure max. 1000#, treating time 1 hour 32 minutes. Completed at 10:32 A.M.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

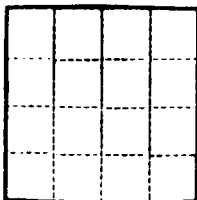
Company Three States Natural Gas Company
 P. O. Box 730
 Address Price, Utah

Approved District Engineer
 JUL 31 1956

By Title District Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16-6457-5

ORIGINAL FORWARDED TO CASPER



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake**
Lease No. **U-01206**
Unit **Flat Canyon**
(**M. D. Kearns**)

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OPEN Well XX	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 20, 1956

Well No. **3** is located **210** ft. from **S** line and **1421** ft. from **W** line of sec. **23**
SW/4 **Sec. 23** **Twp. 16S** **R. 6E** **Salt Lake Base**
 (Of Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit **Emery** **Utah**
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **9834** ft. **Ground**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 7625'

Top of 5" CD casing Liner @ 6278', Top of 5" CD Casing Hanger @ 6274', Top of Dakota formation at 7540'. Open hole approximately 7548' to 7625', which is Dakota formation. We propose to shoot open hole "Dakota Formation" with approximately 70 quarts of Nitro-Glycerine attempting to open gas zone formation.

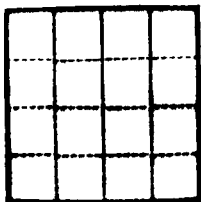
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Three States Natural Gas Company**
P. O. Box 730
 Address **Prison, Utah**

By **W. B. Kiley**

Approved **JUL 31 1956**
[Signature]
 District Engineer

Title **District Superintendent**
ORIGINAL FORWARDED TO CASPER

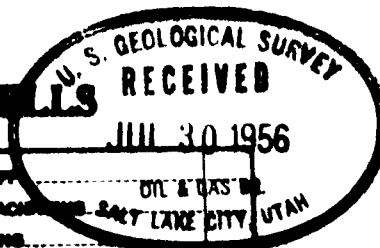


(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau 42-1000-1
Approval expires 12-31-54
Land Office Salt Lake
Lease No. U-01286
Unit Flat Canyon
(M. D. Kearns)

SUNDRY NOTICES AND REPORTS ON WELLS



NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHUT OR ABANDON	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		
Subsequent report of shooting well w/Nitro		XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 22, 1956

Well No. 3 is located 240 ft. from S line and 1421 ft. from W line of sec. 23
SW/4 Sec 23 1 6S 6E Salt Lake Base
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit Emery Utah
(Field) (County or Sub-division) (State or Territory)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 7625'

In attempting to run 48 hour nitro bomb on McCullough wire line, hit bridge in casing at approximately 1800', bomb dropped off and went off at approximately 6278'. Preparing to pick-up 3-1/2" flush joint drill pipe and determine the extent of premature shot.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

Approved JUL 31 1956

[Signature]
District Engineer

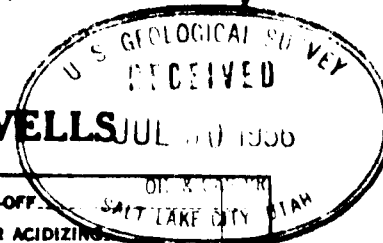
By *[Signature]*
Title District Superintendent

ORIGINAL FORWARDED TO CASPER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake**
Lease No. **U-01286**
Unit **Flat Canyon**
(**M. D. Kearns**)



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	XX	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			
Notice of intention to side-track damaged hole			XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 26, 1956

Well No. **3** is located **240** ft. from **S** line and **1421** ft. from **W** line of sec. **23**
S 1/4 Sec. 23 **16S** **6E** **Salt Lake Base**
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit **Emery** **Utah**
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **9834** ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Due to a premature Nitro-Glycerine shot at approximately 6278', We propose to pump in a 50' cement plug at the top of junk casing at approximately 6190'. Set a cast iron bridging plug at 6000', cut a 30' casing window in 7"OD 23# J-55 casing from approximately 5940 to 5970. Cement from 6000' back to 5940', and squeeze, then drill out to 5970' and set whip-stock and redrill formation.

(Verbal approval on subject work was approved by telephone with Mr. H. C. Seoville, Engineer from your Casper, Wyoming office, dated July 26, 1956.)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Three States Natural Gas Company**
P. O. Box 730
 Address **Brice, Utah**

Approved **JUL 9-1 1956**

 District Engineer

By **W. K. Riley**
 Title **District Superintendent**
 16-6457-5 ORIGINAL FORWARDED TO CASPER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLAND OFFICE Salt Lake
LEASE NUMBER Flat Canyon
UNIT Flat Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Essex Field Flat Canyon UnitThe following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1956,Agent's address P. O. Box 730 Company Three States Natural Gas CompanyPrice, Utah Signed W. K. MillerPhone 678 or 679 Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Attempting to run 65 quarts of Nitro C. W. E. to shoot Dakota formation. Bomb dropped off McGillough line and hit 5" CD casing hanger and went off. Unable to get below 6000'. Ran cement plug up hole to 6000', set east Iron bridging plug at 6000'. Ran Calliburton R.T.T.S. packer tested with 1000' pressure, held OK. Cut window in 7" CD 23' 3-55 casing from 5916' to 5933'. 7-31-56 Preparing to cement annulus with cement around bottom of 7" CD casing and continue to cut window in 7" CD casing to set wip-stock and drill new formation.										
<u>Utah 01923</u> <u>9 NE SE</u>	<u>16N</u>	<u>7E</u>	<u>4</u>				<u>Flat Canyon Unit</u>			<u>Plugged and abandon.</u>

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;no runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE _____
LEASE NUMBER _____
UNIT Flat Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

*noted
cost
8-20-56*

State Utah County Beaver Field Flat Canyon Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of July, 1956

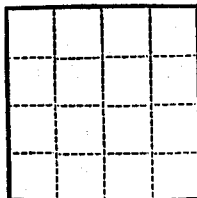
Agent's address P. O. Box 730 Company Three States Natural Gas Company
Price, Utah Signed W. K. Kelley
Phone 678 or 679 Agent's title District Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>Utah 01286</u> <u>27 NW NE</u>	<u>16S</u>	<u>6E</u>	<u>1</u>	<u>0</u>		<u>Mary D. Kearns</u>				<u>Well Shut-In</u>
<u>Utah 01286</u> <u>27 NE SE</u>	<u>16S</u>	<u>6E</u>	<u>2</u>	<u>0</u>		<u>Mary D. Kearns</u>				<u>Well Shut-In</u>
<u>Utah 01286</u> <u>23 SE SE</u>	<u>16S</u>	<u>6E</u>	<u>3</u>	<u>0</u>		<u>Mary D. Kearns</u>				
<u>7-2-56</u>	TD: 7572', Attempted DST #1 with 2-1/2" tubing to test Dakota formation for water flow, from 7572' to 7557', MISHUN, Packer failed to hold. DST #2 7-4-56, TD: 7572', packer set @ 7533', Tool open 5 1/2 hours. Tool opened with good blow, gas to surface in 17 minutes. Tool was open 5 1/2 hours flowing time. Recovered 1900' water. IHP 1600% IFF 190%, FPI 701%, No SIP, FHP 1600%. DST #3 7-5-56, TD: 7572', Top packer set @ 7553', bottom packer set @ 7557', MISHUN, bit bridge, could not get to bottom. DST #4, 7-5-56, TD: 7572', Top packer @ 7523', bottom packer @ 7528', Tool open 8 hours. Tool opened with good blow. Gas to surface in 17 minutes. Recovered 3600' water. IHP 1470%, IFF 270, FHP 1446%, No SIP, MHP 1470%.									
<u>7-8-56</u>	TD: 7572', Set Cement retainer @ 7458', spotted 25 sacks cement thru perforations w/ no pressure. W. O. C. 8 hours, spotted 50 sacks cement for perforations, dropped cementing plug to relieve hydrostatic head. W. O. C. 12 hours, pressured up with 2000# pressure, pressure held OK. Rigged up Air Compressores, drilled cement retainer and to 7558', dried up hole with Air. No Gas - No Water. Drilling with 3-7/8" bit through 5" CD casing liner.									
<u>7-16-56</u>	Drilled to 7625', Ran Welox Jet Services, Inc., Radioactivity Log from 50' to 7598'. McCullough perforated from 7540' to 7570' with four jet shots per foot, Ran Halliburton 5" IL packer set @ 7531', spotted 3000 gallons of Dowell Mud Acid, Starting time @ 9:00 A.M. (7-16-56), Completed @ 10:32 A.M., (7-16-56), Max Pressure 1000#. Two days attempting to dry up hole with Air.									

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Salt Lake
Lease No. U-01286
Unit Flat Canyon
(M.D. Kearns)*Noted
Cort
8-20-56*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

Subsequent report of setting Whipstock X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 7, 1956

Well No. 3 is located 240 ft. from N line and 1421 ft. from E line of sec. 23
SW/4 SEC. 23 16S 6E Salt Lake Base
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit Emery Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 9834 ft. G round

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

TD: 5940' - 8-8-56

After Nitro Bomb went off at approximately 6274', unable to get below 6202', Went in hole with wash-over Pipe and HOMCO Clustrite Shoe, milled on junk and junk cut wash-over pipe, leaving 9' of wash-over pipe and clustrite shoe in hole at approximately 6201'. Ran Halliburton 7"OD R.T.T.S. Packer, set @ 6015', filled hole with water, tested 200# for 30 minutes, held OK. Tested formation with 1000# psi, held OK. Spotted 10 sacks of cement @ 6175', flushed with 46 bbls of water. Set Halliburton retainer @ 6019', cutting on 7"OD casing @ 5979'. Top of window @ 5979', bottom of window @ 6009', top of Bridging Plug @ 6031.50'. Started cutting window in 7"OD casing at 5916', cut window to 5934', cemented squeeze with 25 sacks of cement, drilled cement from 5924' to 5952', continued cutting window in casing from 5942', cased hole from 5942' to 5954', spotted 25 sacks of cement w/12 1/2% Sand and 2% Calcium Chloride. Drilled cement from 5900' to 5925', and set Whip-Stock @ 5925', milling off whipstock and drilling new formation 8-7-56, Slope test 1" @ 5925'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company

P. O. Box 730

Address Price, Utah

By

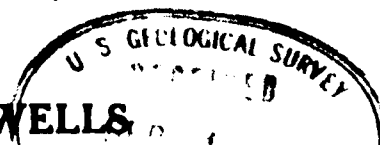
*W. K. Riley*Title District Superintendent

10-10-56

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. U-01286
Unit Flat Canyon
(M.D. Kearns)



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent report of running casing</u> XX

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

(Liner)

August 31, 1936

Well No. 3 is located 240 ft. from S line and 1421 ft. from W line of sec. 23

SEC. 23 16S 6E Salt Lake Base
(Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Flat Canyon Unit Garery Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 9834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cement-logs, and all other important proposed work.)

ID: 6600' (Whip-Stock hole)

Run 7 1/2" of 5" OD 15# J-55 Spang Extraneous Casing Liner @ 6600', Liner hung inside of 7" OD J-55 23# casing @ 5884'. Casing Liner was not cemented.

Preparing to rig up Air Compressors and drill Ferron Sand with Air, Expected top of Ferron @ 6615'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Company
P. O. Box 730
Address Price, Utah

By W. B. Riley
Title District Superintendent

Approved [Signature]
District Engineer

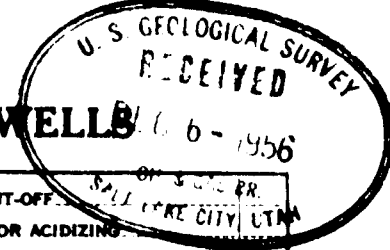
ORIGINAL FORWARDED TO CASPER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake
Lease No. 5-22256
Unit Flat Canyon U-10
(Mary D. Barnes)

SUNDRY NOTICES AND REPORTS ON WELLS



NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<u>Following 5" CD casing, liner and running</u> <u>some again and cementing in Whipstock hole</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 1, 1956

Well No. 1 is located 210 ft. from S line and 1122 ft. from W line of sec. 23
SE 1/4 Sec. 23 (Sec. and Sec. No.) 14 (Twp.) 6E (Range) Salt Lake Basin (Meridian)
Flat Canyon U-10 (Plan) Mary D. Barnes (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5834 ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

ED: 7500' - (Whipstock hole) Whipstock set @ 5825' in 7" casing.
12-9-54, failed a total of 714.50', of 5" CD 15 1/2 3-55 Spring Intermediate Casing from 5825' to 6825'. 10-4-56 started running whipstock hole from 6814' with 6 1/2" bit.
Ran and cleared out hole to 7560', mixed mud and conditioned hole to run liner.
Ran a total of 1672.60' of 5" CD 15 1/2 3-55 Spring Intermediate Casing, casing hung inside of 7" CD casing @ 5825', casing landed at approximately 7560.50'. Cemented with 200 sacks of Portland cement w/5% stabilizer and 1st job, plus 35 sacks of 81 Ideal cement.
Casing liner cemented by Mobilization. 5" CD casing liner was perforated from 7150' to 7151' with four jet shots for cement removal.

In drilling cement and retainer, drill pipe stuck @ 7100' - 7123', spotted 2500 gallons of diesel oil attempting to free drill pipe, unable to free drill pipe, attempting to complete well in Pardon Sand. BENT backed off drill pipe @ 6975', leaving five joints of 3-1/2" drill pipe and 3-7/8" CD bit in hole. Top of fish @ 6975', 11-5-56.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Three States Natural Gas Co., Inc.
P. O. Box 730
Address Jordan, Utah

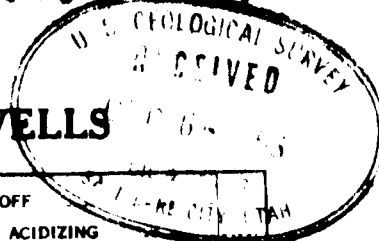
Approved DEC 6 - 1956
[Signature]
District Engineer

By [Signature]
Title District Superintendent

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Project Bureau of Mines
Approved October 14, 1954
Land Office **SALT LAKE**
Lease No. **5-42225**
Unit **Flat Orogen Unit**
(Mary A. Rogers)



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Supplementary Well in Potomac Field -
	For Shooting and Acidizing.

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 20, 1956

Well No. **2** is located **200** ft. from **S** line and **200** ft. from **W** line of sec. **23**

200 (Sec. and Sec. No.) **200** (Twp.) **200** (Range) **Salt Lake Basin** (Meridian)
Flat Orogen Unit (Field) **Utah** (County or Subdivision) **Utah** (State or Territory)

The elevation of the derrick floor above sea level is **5235** ft. Ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Run Helix Jet Services, Inc., Gamma Ray and Neutron Logs from 5020' to 6713'. Calor Jet perforations in 5" CD X-line casing - 6216' to 6220', 6225' to 6253', 6270' to 6280', 6286' to 6286', 6286' to 6290', four jet shots per foot. Set Halliburton packer on 3-1/2" drill pipe at 5730', acidized with 2000 gallons (7-1/2% HCl Acid), @ 500% second stage with 2000 gallons on vacuum. Displaced with 60 bbls on vacuum, pulled packer with well dead, Helix perforated from 6216' to 6220', 6225' to 6253', with four jet shots per foot. Set Halliburton 5" HI packer @ 5741', 7" HI packer @ 6270'. Acidized with 4000 gallons 7-1/2% HCl Acid, Max. Pressure 600%, displaced with 60 bbls. Run 2-7/8" CD tubing started drying up well after acid job. Well making 100 BW of gas. Set Halliburton 5" HI packer @ 6270' and 7" HI packer @ 6290'. Acidized with 6000 gallons 7-1/2% HCl Acid through 2-7/8" tubing. Max. Pressure 600%. Job complete @ 11-18-56 @ 2:00 P.M., flowing well with no increase in gas. Rotary Drilling Tools released @ 5:00 P.M., 11-18-56. 229 joints a total of 6723.68' of 2-7/8" CD HI Grd. Lbs., 6.25%, Grade J-55, tubing landed @ 6270' L.B., 16' from L.B., to tubing hanger. Well shut-in 11-20-56.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Gamma Ray and Neutron Log Company**

A. G. Box 130

Address **Utah, Utah**

Approved **DEC 6 - 1956**
[Signature]
District Engineer

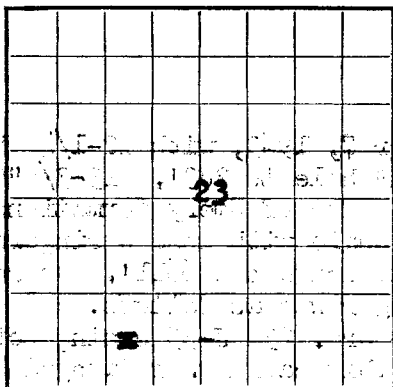
By **[Signature]**
Title **District Superintendent**

Copy Sent To
State Engineer

Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Salt Lake
SERIAL NUMBER U-01286
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Three States Natural Gas Company Address Dallas 1, Texas
Lessor or Tract Mary D. Kearns Field Flat Canyon Unit State Utah
Well No. 3 Sec. 23 T. 16S R. 6E Meridian Salt Lake Base County Emery
Location 240 ft. [N] of 3 Line and 1421 ft. [E] of W Line of SW, SE, SW, Sec. 23 Elevation 9860 K.B.

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed R. B. Niley
Date January 31, 1957 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling September 7, 19 53 Finished drilling September 27, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from <u>6616</u> to <u>6634</u> (G)	No. 4, from <u>6848</u> to <u>6858</u> (G)
No. 2, from <u>6640</u> to <u>6660</u> (G)	No. 5, from <u>6870</u> to <u>6880</u> (G)
No. 3, from <u>6816</u> to <u>6820</u> (G)	No. 6, from <u>6916</u> to <u>6926</u> (G)
	<u>6965</u> to <u>6970</u> (G)

IMPORTANT WATER SANDS

No. 1, from _____ to _____	No. 3, from _____ to _____
No. 2, from _____ to _____	No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
13-3/8	44.10	Slip Joint	Armco	266.31	(14.25"	K.B. to casinghead)			Surface
7"	28#	Ord. thd.	N-80	6620'	Guide				
* 5"	15#	Spang. Machine		1672.60'	Guide				Production
* (This casing liner set in whipstock hole - whipstock set in 7" OD csg. @ 9925')									
(Tubing)									
2-7/8	6.50#	EUE 8rd.	J-55	6953.68'	(Tubing landed @ 6970' K.B.)				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	280.50'	317 cement, 50 Bridget	Halliburton	(Cement circulated to surface)	
7"	6634 K.B.	300 cement	Halliburton		
* 5"	7564.60'	390 cement, 1 1/2 Jel	Halliburton	(5" Liner hung in 7" OD csg. @ 5892')	
* (This casing liner set in whipstock hole - 5892' to 7564.60')					

PLUGS AND ADAPTERS

Heaving plug - Material _____ Length _____ Depth set _____
Size _____

SHOOTING RECORD

FOLD MARK

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Amount of mud used
13-3/8	280.50'	317 cement, 50 Bridget	Halliburton	(Cement circulated to surface)
7"	6634 K.B.	300 cement	Halliburton	
* 5"	7564.60'	390 cement, 1% Jel	Halliburton	(5" Liner hung in 7" OD csg. @ 5892)
* (This casing liner set in whipstock hole - 5892' to 7564.60')				

PLUGS AND ADAPTERS

Heaving plug	Material	Length	Depth set

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from Surface feet to 6799 feet, and from 7039 feet to 7580 feet
 Cable tools were used from 6799 feet to 7039 feet, and from feet to feet

DATES

January 31, 1957 Put to producing December 3, 1956

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours ** Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. ** - No Initial Potential to date - estimated 200,00 C.F.

EMPLOYEES

<u> </u> , Driller	<u> </u> , Driller
<u> </u> , Driller	<u> </u> , Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
			(Tops of first hole to TD: 7625')
0	3395	3395	
3395	6611	3216	Emery
6611	7540	929	Ferron (G)
7540	<u>7625 TD</u>	<u>85</u>	Dakota (G)
		TD: 7625	
			(Tops on whipstock hole set @ 5925')
		6616	
6616	7540	<u>924</u>	Ferron (G)
7540	7580	<u>40</u>	Dakota
		TD: 7580 - Whipstock hole.	

[OVER]

16-43094-4

FORMATION RECORD - Continued

U.S. LAND OFFICE

Serial Number

(HISTORY OF OIL OR GAS WELL)

This well was spudded with Rotary Drilling Tools on September 8, 1953, with 12-1/4" hole drilled to 600'. Hole was reamed from 12-1/4" hole to 17-1/2" hole to 283'. 13-3/8" OD casing set @ 280.50' K.B., (14.25' from K.B. to casinghead). Top of Emery formations was @ 3395'. Drilling formation to this depth was Sand and Shale with some stringers of Coal. 9" hole was drilled to 6653'. Top of Ferron Sand formation was @ 6611'. Where a string of 7" OD casing was set @ 6634. The 7" OD casing stringer was as follows: 948.08' of 7" OD 8rd. 23# N-80 casing w/LT&C set @ 6634, 7" OD 8rd. 23# J-55 casing set at 5685.92' to 6690' of 7" OD casing in hole. This casing was damaged by Cable Tool Drilling from 6799' to 7039'. A total of 1864' of 7" OD casing was cut and pulled and a total of 439 feet of casing replaced. The Ferron Sand formation was tested and an estimated 200,000 Cubic Feet of gas was gauged @ 6663 feet. The Ferron Sand was acidized with 2,000 gallons of MCA mud acid from 6611 to 6620, through perforations. Well was gauged at 441,000 Cubic Feet @ 6711. The well was Sand-frac at this depth of 6711 with 4,000 gallons of diesel with 20 sacks of sand. Well gauged after Sand-frac at 441,000 Cubic Feet. With no increase in the Ferron Sand this well was drilled with 6-1/4" bit to 7550', where a 5" OD 13# J-55 Spring Extremeline Casing Liner was set from 6274 inside of the 7" OD casing to 7514'. The Top of Dakota formation @ 7540'. A 3-7/8" hole was drilled into the Dakota formation to 7625, a gauge of 6,132 MCF of gas was taken with a large flow of water. In attempting to cement water off the gas was lost along with shutting off the water flow. With the total depth of the well @ 7625, open hole Dakota from 6274. An attempt was made to shoot the open Dakota formation with 65 quarts of Nitro, the shot went off at approximately 6274 (top of 5" OD casing liner), milling tools were unable to get to the total depth. depth reached was approximately 6204'. This portion of the hole was lost and abandon due to the Nitro shot @ 6274 which was the top of the 5" OD casing liner. A window was cut in the 7" OD casing from 5916' to 5942', whipstock was set @ 5925', with a cement plug-back and cast iron bridge plug set @ 6034'. A 6-1/4" hole was drilled to 6600 in whipstock hole, a 5" OD casing liner set from 6600' to 5885', approximately 40 feet inside 7" OD casing. (Casing liner was set and cemented at a later date). The top of Ferron Sand formation in whipstock hole was @ 6616'. The Ferron Sand was drilled with air to 6814, where drilling with air was changed to drilling with Natural Gas. The Ferron Sand was drilled with a 3-7/8" bit and gauged @ 241,00 C.F. of gas. The 5" OD casing liner was set @ 6600' and pulled and the 3-7/8" hole was reamed to a 6-1/4" hole from 6600 to 7540. After reaming hole to 6-1/4" to 7540' a total of 1672.60' of 5" OD casing liner was ran from 5892 inside the 7" OD casing to 7564. Top of Dakota formation was @ 7540 in whipstock hole, total depth of whipstock hole 7580'. In drilling out cement and a magnesium cement retainer inside the 5" OD casing liner, a 3-7/8" bit with five joints 3-1/2" flush joint drill pipe was stuck and left in hole @ approximately 7123. Top of fish was at 6975'. Ran Water Gamma-ray and neutron log from 5850' to 6962'. Perforated the 5" OD casing liner as follows:

HISTORY OF OIL OR GAS WELL

6970 to 6965, 6926 to 6916, 6880 to 6870, 6858 to 6848, 6820 to 6816, with four jet shots per foot. A total of 156 holes, set packer @ 5930, and ran MCA Mud Acid job with 4000 gallons of 7-1/2% Mud Acid, breaking pressure 600#. Perforated from 6660 to 6640, 6639 to 6616, with four jet shots per foot, a total of 152 holes. Set packer at 5944, 7" packer @ 6728, and acidized with 4000 gallons 7-1/2% MCA Mud Acid through perforations (Ferron Sand). Blowed well dry with gas, well gauged 140,000 Cubic Feet of gas.

Ran Tubing and re-Acidized through 5" OD casing liner perforations from 6616 to 6970, with 6000 gallons of 7-1/2% Mud Acid, pulled packers after acid job and ran tubing string as follows: 229 joints - total of 6953.60 feet of 2-7/8" OD Eue 8rd. 44, 6-50# J-55 R-2 API SmIs., Tubing. Tubing landed @ 6970. amount of gas with recovery of mud acid and muddy water. Rotary Drilling Tools released

Ran Tubing and re-Acidized through 5" CD casing liner perforations from 6616 to 6970, with 6000 gallons of 7-1/2% Mud Acid, and 1500 gallons after acid job and ran tubing string as follows: 229 joints - total of 6953.68 feet of 2-7/8" CD Eue 8 and 14, 650 #/in. R-2 API Smls., Tubing. Tubing landed @ 6970. K.D. amount of gas with recovery of mud acid and muddy water. Rotary Drilling Tools released on November 18, 1956.

This well was put to production on the Flat Canyon Unit gathering system on December 3, 1956. Total depth of well (Whipstock hole) 7580', Top of fish inside 5"OD casing liner @ 6975'. This well was completed as a ferron well through perforations in the 5"OD casing liner. We were unable to test Dakota formation in whipstock hole.

	EMPLOYEES		
Diller,		Diller,	
Diller,		Diller,	

FROM	TO	TOTAL FEET	FORMATION
0	0	0	(1) 0-100 ft. of sand (100 ft.)
100	100	100	(2) 100-200 ft. of sand (100 ft.)
200	200	200	(3) 200-300 ft. of sand (100 ft.)
300	300	300	(4) 300-400 ft. of sand (100 ft.)
400	400	400	(5) 400-500 ft. of sand (100 ft.)
500	500	500	(6) 500-600 ft. of sand (100 ft.)
600	600	600	(7) 600-700 ft. of sand (100 ft.)
700	700	700	(8) 700-800 ft. of sand (100 ft.)
800	800	800	(9) 800-900 ft. of sand (100 ft.)
900	900	900	(10) 900-1000 ft. of sand (100 ft.)
1000	1000	1000	(11) 1000-1100 ft. of sand (100 ft.)
1100	1100	1100	(12) 1100-1200 ft. of sand (100 ft.)
1200	1200	1200	(13) 1200-1300 ft. of sand (100 ft.)
1300	1300	1300	(14) 1300-1400 ft. of sand (100 ft.)
1400	1400	1400	(15) 1400-1500 ft. of sand (100 ft.)
1500	1500	1500	(16) 1500-1600 ft. of sand (100 ft.)
1600	1600	1600	(17) 1600-1700 ft. of sand (100 ft.)
1700	1700	1700	(18) 1700-1800 ft. of sand (100 ft.)
1800	1800	1800	(19) 1800-1900 ft. of sand (100 ft.)
1900	1900	1900	(20) 1900-2000 ft. of sand (100 ft.)
2000	2000	2000	(21) 2000-2100 ft. of sand (100 ft.)
2100	2100	2100	(22) 2100-2200 ft. of sand (100 ft.)
2200	2200	2200	(23) 2200-2300 ft. of sand (100 ft.)
2300	2300	2300	(24) 2300-2400 ft. of sand (100 ft.)
2400	2400	2400	(25) 2400-2500 ft. of sand (100 ft.)
2500	2500	2500	(26) 2500-2600 ft. of sand (100 ft.)
2600	2600	2600	(27) 2600-2700 ft. of sand (100 ft.)
2700	2700	2700	(28) 2700-2800 ft. of sand (100 ft.)
2800	2800	2800	(29) 2800-2900 ft. of sand (100 ft.)
2900	2900	2900	(30) 2900-3000 ft. of sand (100 ft.)
3000	3000	3000	(31) 3000-3100 ft. of sand (100 ft.)
3100	3100	3100	(32) 3100-3200 ft. of sand (100 ft.)
3200	3200	3200	(33) 3200-3300 ft. of sand (100 ft.)
3300	3300	3300	(34) 3300-3400 ft. of sand (100 ft.)
3400	3400	3400	(35) 3400-3500 ft. of sand (100 ft.)
3500	3500	3500	(36) 3500-3600 ft. of sand (100 ft.)
3600	3600	3600	(37) 3600-3700 ft. of sand (100 ft.)
3700	3700	3700	(38) 3700-3800 ft. of sand (100 ft.)
3800	3800	3800	(39) 3800-3900 ft. of sand (100 ft.)
3900	3900	3900	(40) 3900-4000 ft. of sand (100 ft.)
4000	4000	4000	(41) 4000-4100 ft. of sand (100 ft.)
4100	4100	4100	(42) 4100-4200 ft. of sand (100 ft.)
4200	4200	4200	(43) 4200-4300 ft. of sand (100 ft.)
4300	4300	4300	(44) 4300-4400 ft. of sand (100 ft.)
4400	4400	4400	(45) 4400-4500 ft. of sand (100 ft.)
4500	4500	4500	(46) 4500-4600 ft. of sand (100 ft.)
4600	4600	4600	(47) 4600-4700 ft. of sand (100 ft.)
4700	4700	4700	(48) 4700-4800 ft. of sand (100 ft.)
4800	4800	4800	(49) 4800-4900 ft. of sand (100 ft.)
4900	4900	4900	(50) 4900-5000 ft. of sand (100 ft.)
5000	5000	5000	(51) 5000-5100 ft. of sand (100 ft.)
5100	5100	5100	(52) 5100-5200 ft. of sand (100 ft.)
5200	5200	5200	(53) 5200-5300 ft. of sand (100 ft.)
5300	5300	5300	(54) 5300-5400 ft. of sand (100 ft.)
5400	5400	5400	(55) 5400-5500 ft. of sand (100 ft.)
5500	5500	5500	(56) 5500-5600 ft. of sand (100 ft.)
5600	5600	5600	(57) 5600-5700 ft. of sand (100 ft.)
5700	5700	5700	(58) 5700-5800 ft. of sand (100 ft.)
5800	5800	5800	(59) 5800-5900 ft. of sand (100 ft.)
5900	5900	5900	(60) 5900-6000 ft. of sand (100 ft.)
6000	6000	6000	(61) 6000-6100 ft. of sand (100 ft.)
6100	6100	6100	(62) 6100-6200 ft. of sand (100 ft.)
6200	62		



THE STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY 14

June 26, 1957

COMMISSIONERS
G. R. HENDERSON
CHAIRMAN
M. V. HATCH
DEGIL THOMSON
A. G. NORD
E. W. GLYDE

C. A. HAUPTMAN
PETROLEUM ENGINEER
C. B. FEIGHT
SECRETARY

Copy

Three States Natural Gas Company
P. O. Box 730
Price, Utah

Gentlemen:

It has come to the attention of this office that Well No. Mary D. Kearns 3, which was drilled by you on Section 23, Township 16 South, Range 6 East, SLBM, Emery County, has been shut down on or about November 24, 1956.

Rule C-5(a), General Rules and Regulations and Rules of Practice and Procedure, Utah Oil and Gas Conservation Commission provides that within 90 days after the suspension of operations, abandonment of, or the completion of any well drilled for the production of oil or gas and within 90 days after the completion of any further operations on it, if such operations involved drilling deeper or drilling or redrilling any formation, the well log shall be filed with the Commission, as well as a copy of the electric and radioactivity logs, if run.

If our information is correct, will you please complete the enclosed Forms OGCC-3, Log of Oil or Gas Well, and forward them to this office as required by the above mentioned rule. If our information is not correct, will you so notify us.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

dem B Feight
CLEON B. FEIGHT
SECRETARY

CBF:cn

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 4-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U - 01286
2. NAME OF OPERATOR TENNECO OIL COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 1200 Lincoln Tower Bldg. Denver, Colorado 80203		7. UNIT AGREEMENT NAME Flat Canyon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 240' FSL & 1421 FWL		8. FARM OR LEASE NAME M. D. Kearns
14. PERMIT NO.		9. WELL NO. 3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 9860 KB		10. FIELD AND POOL, OR WILDCAT Flat Canyon
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T-16-S, R-6-E
		12. COUNTY OR PARISH Emery
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See prognosis to plug and abandon attached.

18. I hereby certify that the foregoing is true and correct

SIGNED

Larry M. Riggs

TITLE District Office Supervisor

DATE 9-27-68

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Prognosis to Plug & Abandon

LEASE: M. D. Kearns (Flat Canyon Unit)

WELL NO.: 3

COUNTY: Emery

STATE: Utah

WELL LOCATION: SE/4 SW/4 SW/4 Sec. 23, T-16-S, R-6-E

WELL DATA:

Total Depth Drilled: 7580'

PBTD: 6975'

Casing Record:

13-3/8" O.D. 44# set @ 280' cmt'd w/ 317 sx

7" O.D. 23# set @ 6634' in 9" hole cmt'd w/ 300sx

5" O.D. 15# Liner 5892-7564' cmt'd w/ 390 sx (Liner collapsed at 6975')

Tubing Record:

229 Jts 2-7/8" EUE 6.5# J-55 hung @ 6970'

Perforations: 6616-34'
6640-60'
6816-58'
6848-58'
6870-80'
6916-26'
6965-70'

Gr. Elev = 9834'

KB = 16' above Tubing Hanger

Procedure:

1. Load hole with mud.
2. Place cement plug across interval 6600-6975'.
3. Pull tubing.
4. Determine freepoint of 7" casing and attempt to recover as much as possible.
5. Place 100' plug across 7" stub (50' in - 50' out).
6. Place 100' plug across 13-3/8" shoe @ 280' (50' in - 50' out).
7. Place 10 sx plug in top of 13-3/8" casing and erect abandoned well marker.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

10/7/68
J. H. Burchell

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other Instructions
on reverse side)NOTE:
re-Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-01286

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Flat Canyon Unit

8. FARM OR LEASE NAME

M. D. Kearns

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Flat Canyon

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 23, T-16-S, R-6-E

12. COUNTY OR PARISH 13. STATE

Emery

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL
WELL ☐GAS
WELL ☐OTHER ☐

P & A

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200 Lincoln Tower Building - Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

240' FSL & 1421 FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

9860 KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent
to this work.)*

8-4-69 - Moved in casing pulling unit spotted 50 bbl mud on bottom. Set 50 sacks cement 6600' to 6975'. Pulled 229 jts (6970') of 2-7/8" EUE 6.50 lb J-55 tubing. Shot casing off @ 1614' spotted 75 sacks cement 1425' to 1725'; hole filled w/mud 1725' to 6600', casing stuck & shot off @ 966', set 75 sacks cement 200' to 370', pulled 30 jts (1010') of 7" 23 lb J-55 casing, hole filled w/mud, set 10 sacks cement at surface and installed dry hole marker. Completed P&A 8-8-69
Cleaned Location.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Sr. Production Clerk

DATE

9/4/69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: